

239-1281

7-15-71

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Best Available copy

COPY A

A short residual contact insecticide for kill of insect and mite adults and larvae present at the time of application.

COPY B

FOREST AND SHADE TREES: CONIFERS (Arbovitae, Douglas Fir, Fir, Hemlock, Juniper, Pine, Spruce): Suppression of Two Spot and Red Spider Mites, Aphids, Spittlebugs, Zimmerman Moths, Juniper Webworms, Tussock Moths, Spruce Budworms, Adult Sierra Fir and Western Hemlock Bark Borers.

BROADLEAF TREES (Ash, Birch, Black Walnut, Box Elder, Dogwood, Elm, Evergreen Pear, Flowering Plum and Quince, Locust, Magnolia, Maple, Oak, Sycamore, Willow): Suppression of Two Spot and Red Spider Mites, Aphids, Leaf Miners, Bark Beetles, Elm Leaf Beetles, California Citrus (California only), Spring and Fall Barkworms, Fall Webworm, Oak Webworm and Tussock Moths - 1 pt. in 100 gals. water. Use when infestation is evident; repeat as necessary.

ACCEPTED

JUL 15 1971

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO. 239-1281 SUBJECT
TO ATTACHED COMMENTS.

Best Available Copy
from original

with water.
gals. water
per acre
CORRALS, ADJA
flies, Mosquito
gals. water. Ap
CLOVER MILLE
oz. in 3 gals.
pest cleanup.
GRASSHOPPERS
Range Caterpill
hoppers—1/2 pt
By Air—Use 1
oz. to 5 gals. water per acre. Apply when hoppers hatch is completed. Repeat as nec
essary. Animals may be present during treatment. See crop recommendations for use limitations near
harvest. Forage plants on pastures or field areas should not be cut for hay to be sold or shipped inter
state within 4 days of application.

HOLDING PENS (Dairy and Beef Cattle, Hogs, Sheep, Horses): House
fication—Use 1.5 to 4 fl. ozs. per acre. Dilute 1 to 2 1/2 pts. in 10
spray per acre. Apply over areas with animals present.
CRAWLERS AND LEAFHOPPERS Outside Dwellings and in Lawns: Use 1 fl.
oz. to turf and to soil surfaces around flowers, shrubs and trees for general

and, Field Areas (crops listed on label) and Pastures including dairy pastures;
angeland and Pastures—1/2 to 3/4 pt. per acre by air or ground. Young Grass
hoppers—1/2 pt. per acre by air or ground. Armyworms (except rice)—1 pt. per acre by air or ground.
By Air—Use 1 to 5 gals. water per acre. Apply when hoppers hatch is completed. Repeat as nec
essary. Animals may be present during treatment. See crop recommendations for use limitations near
harvest. Forage plants on pastures or field areas should not be cut for hay to be sold or shipped inter
state within 4 days of application.

CAUTION: Concentrate may cause skin damage. Do not get on skin, eyes or clothing. Use waterproof
gloves and face shield or goggles when handling concentrate. Harmful if swallowed. Avoid breathing
spray mist. In case of contact, immediately remove contaminated clothing and flush skin or eyes with
plenty of water for eyes, get medical attention. Avoid contamination of feed, foodstuffs and drinking
water. DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME. Keep children and animals
off treated areas. Do not spray on Nectarines, ornamental Cherries, Liquidambar or Chrysanthemums as
injury may occur. Do not store diluted spray. Make new dilution for each use. Wash equipment thor
oughly after use.

This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Keep out of
lakes, streams or ponds. Shrimp and crab may be killed at application rates recommended on this label.
Do not apply where these are important resources. Do not apply when weather conditions favor drift of
spray from areas treated. Rinse equipment and containers and dispose of wastes by burying in non
crop lands away from water supplies. This product is highly toxic to bees exposed to direct treatment
or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension
Service. Containers should be disposed of by breaking and burying with wastes.

CONDITIONS OF SALE: 1. Chevron Chemical Company (Chevron) warrants that this material conforms
to the chemical description on the label and is reasonably fit for use as directed hereon. Chevron neither
makes, nor authorizes any agent or representative to make, any other warranty of FITNESS or of
MERCHANTABILITY, guarantee or representation, express or implied, concerning this material.

2. Critical and unforeseeable factors beyond Chevron's control prevent it from eliminating all risks
in connection with the use of chemicals. Such risks include, but are not limited to, damage to plants
and crops to which the material is applied, lack of complete control, damage caused by drift to other
plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon
and even though label directions are followed. Buyer and user acknowledge and assume all risks and
liability (except those assumed by Chevron under 1 above) resulting from handling, storage, and use
of this material



CHEVRON CHEMICAL COMPANY
ORTHO DIVISION—San Francisco, Calif. 94120

Form 5536-Y2

USDA Reg. No. 239-1281

Product 2738

Made in U.S.A.

RICHMONT, CALIF. • PORTLAND, ORE. • FRESNO, CALIF. • ORLANDO, FLA.

HONOLULU, HAWAII • DES MOINES, IOWA • CHERRY HILL, N.J.



NET CONTENTS
EIGHT (8) LBS.

DIBROM[®] 8 Emulsive

Naled Insecticide

Active Ingredients

*Naled

Xylene

Inert Ingredients

*1,2-dibromo-2,2-dichloroethyl dimethyl phosphate

By Wt.

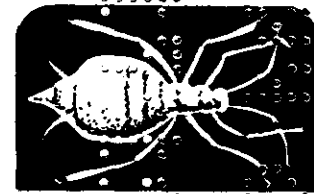
58%

20%

22%

Contains 8 pounds technical naled per gallon equivalent to 7.2 pounds naled.

U. S. Pat. No. 2,971,882



CAUTION

READ THE LABEL

CAUTION: KEEP OUT OF REACH OF CHILDREN.
SEE BACK PANEL FOR ADDITIONAL CAUTIONS.

WHEN CONTAINER IS EMPTY, IMMEDIATELY WASH THOROUGHLY AND DESTROY. NEVER RE-USE.

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STORE IN COOL, DRY PLACE

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH CAUTIONS, WARNINGS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS. KEEP PESTICIDE IN ORIGINAL CONTAINER. DO NOT PUT CONCENTRATE OR DILUTE INTO FOOD OR DRINK CONTAINERS.

USE DESIGNATED AMOUNT OF PRODUCT IN THE FOLLOWING GALLONS WATER PER ACRE UNLESS OTHERWISE NOTED:
GROUND APPLICATION—Vegetable and Field Crops—30 to 250 gals. Cotton—3 to 20 gals. Deciduous Fruit Crops—60 to 800 gals. Citrus—400 to 3,000 gals. (On Young Fruit Plantings—Use a minimum of 15 gals. water per acre.)

Where Recommended for AIR APPLICATION—Field Crops—3 to 10 gals.
Begin application at first sign of insects. Repeat as necessary. Do not apply within 4 days of harvest unless otherwise noted. Do not use with highly alkaline materials such as lime or bordeaux.
MIXING DIRECTIONS: Add to spray tank when 1/4 to 1/2 full with agitator running and maintain agitation until spraying is completed.

ALFALFA: Grasshoppers—1/4 pt. per acre when crop is not more than 12" high. Aphids, Looper, Leafhoppers, Lygus Bugs, Alfalfa Webworms, Armyworms—1 pt. per acre. ALFALFA (Seed): Lygus, Mite Suppression (1 application), Mites (2 applications at 7-day intervals), Thrips—1/2 pt. per acre. Combine with recommended chemicals for residual control. By Air—Use at least 10 gals. water per acre.

BEANS (Dry or Field): SOYBEANS, LIMA BEANS AND PEAS for Processing: Alfalfa Looper, Aphids, Spider Mites, Lygus, Leaf Miner, Green Beans: Aphids, Spider Mites, Looper, Nitidulid, Leafhoppers—1 pt. per acre in water to cover. 100 gals. per acre is preferable. Large Looper, Stink Bugs—1 1/2 pts. per acre in water to cover.

BROCCOLI, CABBAGE, CAULIFLOWER, BRUSSELS SPROUTS, KALE, COLLARDS: Imported Cabbageworm, Diamond-back Caterpillars, Aphids—1 pt. per acre. Looper—2 pts. per acre. May be used 1 day before harvest, except do not apply to kale and collards within 4 days of harvest.

CELERY: Aphids, Looper, Armyworms, Salt Marsh Caterpillars, Leaf Miners—Use ground application only with fine mist spray—1 pt. in 50 to 75 gals. water per acre on plants less than 1/4 grown. On larger plants use 1 1/2 pts. in 100 to 150 gals. water per acre.

COTTON: Lygus—1/2 to 1 pt. per acre by air or ground. Leaf Perforator, Fleahoppers, Armyworms, Bollworms, Looper and For Suppression of Mites—1 pt. per acre by air or ground. Apply at 7 to 10 day intervals while pests persist. FOR HEAVY POPULATION OF LISTED INSECTS—Use 1/2 pt. per acre by air or ground in control programs with other insecticides registered for use on cotton.

CUCUMBERS, SUMMER SQUASH: Cucumber Beetles, Aphids, Spider Mites, Looper, Thrips, Armyworms—1 pt. per acre in water to cover. Pickleworms, Leaf Miners—1 1/2 pts. per acre in water to cover. By Air—Use minimum of 10 gals. water per acre. May be used up to harvest.

EGGPLANT, PEPPERS: Aphids, Spider Mites, Blister Beetles, Flea Beetles, Leaf Miners, Whitefly—1 pt. per acre. May be used up to 1 day before harvest.

WALNUTS: Aphids—1/2 to 1 pt. to 100 gals. water. Use up to 10 days of harvest. GRAPES: Drosophila, Leafhoppers—1/2 to 3/4 pt. per 100 gals. water. (100 to 130 gals. diluted spray per acre depending on size of vines.) Use only 1/2 pt. per 100 gals. water on Muscat varieties. Do not use on Italia varieties as fruit injury may occur.

HOPS: Aphids, Spider Mites, Corn Earworm, Hop Looper, Cutworm—1 pt. per acre. LETTUCE, SPINACH, CHARD, TURNIP GREENS: Aphids, Looper, Armyworms, Salt Marsh Caterpillars, Leaf Miners—Use ground application only with fine mist spray—1 pt. in 50 to 75 gals. water per acre on plants less than 3/4 grown. On larger plants, use 1 1/2 pts. in 100 to 150 gals. water per acre. May be used 1 day before harvest.

MELONS (Cantaloupes, Honeydew, Muskmelons, Watermelons), PUMPKINS, WINTER SQUASH: Looper, Armyworms, Leafhoppers, Spider Mites, Leaf Miners—1 to 2 pts. per acre (200 gals. diluted spray per acre). May be used 1 day before harvest. Do not apply when temperature is over 90° F. ORANGES, LEMONS, GRAPEFRUIT, TANGERINES: Aphids, Soft Brown Scale Crawlers, Mites, Citrus Cutworms, Leaf Roller (Tortrix)—1 pt. to 100 gals. water. Thrips (Bloom)—1/2 pt. per 100 gals. water. Use up to 7 days of harvest. (Calli. and Ariz.—Do not apply within 1 day of harvest.)

PEACHES (Western States Only): Lygus, Suppression of Mites, Peach Twig Borer, Oriental Fruit Moth (California Only)—3/4 pt. to 100 gals. water. To avoid fruit spotting, do not use within 30 days of harvest. Do not apply when temperature is over 90° F.

RICE: Grasshoppers—1/2 to 3/4 pt. per acre. Apply at first sign of insects. Do not make more than 3 applications. May be used 2 days before harvest.

STRAWBERRIES: Leaf Roller, Spider Mites, Aphids, Omnivorous Leaf Tier, Spittlebugs (Northwest)—1 pt. per acre. May be used 1 day before harvest.

SUGAR BEETS: Spider Mites, Leafhoppers—1 pt. per acre by air or ground. By Air—Use in 1 to 5 gals. water per acre. Do not apply within 5 days of harvest.

TOBACCO: Hornworm—1 pt. to 100 gals. water, using up to 200 gals. diluted spray per acre. Flea Beetles—1 pt. per acre in water to cover. Apply at first signs of insects. Repeat as necessary. TOMATOES (Field): Fruit Flies (Drosophila)—1 pt. in no less than 40 gals. water per acre with ground sprayer, 7 to 10 gals. by air. Make first application 5 to 7 days before first picking and continue at 5 to 7-day intervals until the day before harvest. (Field and Greenhouse): Tomato Fruit Worm, Flea worms, Leaf Miners, Flea Beetles, Mites—1 pt. in 100 gals. water. Spray plants thoroughly. For Field—Use up to 200 gals. diluted spray per acre. Do not apply when temperature is over 90° F. May be used 1 day before harvest.

GREENHOUSE, VAPOR TREATMENT OF ROSES: OTHER ORNAMENTAL PLANTS, TOMATOES, CUCUMBERS: Spider Mites, Adult Whiteflies, Aphids, Leafrollers, Mealybugs—1 fluid ounce per 10,000 cu. ft. when plants are dry. Apply undiluted on heat pipes (or in open pans on hot plates). Apply continuously or to intermittent sections of pipe on each side and on 1 or more of the pipes through center of each range depending upon width. Application to cold pipes should be followed by immediately heating pipes to 160° F. In steam heated houses, close vents for at least 1 hour after pipes are hot. With hot water systems, close house for at least 3 hours. Houses may remain closed overnight following treatment. When application is made to hot pipes, wear goggles and approved respirator. Ventilate house before workers re-enter. Wear respirator when entering treated houses to ventilate. Protect hives of bees in cucumber and other houses by covering with plastic or rubber sheet during treatment and until house is ventilated. Do not apply to tomatoes or cucumbers closer than 1 day before harvest. Spider Mites (Resistant and Non-resistant)—Make 3 to 4 treatments at 3 or 4-day intervals. Repeat as necessary. Adult Whiteflies—Make 2 applications at 7-day intervals. Repeat as necessary. Aphids—Apply when aphids appear. Repeat as necessary. WARNING—Avoid over-treatment and direct application to plants as injury may result. White Butterfly and Golden Rapure roses, Pink Chempine, Chrysanthemums, Green Wandering Jew, Poinsettias and Dutchman's Pipe may be injured by DIBROM VAPOR.

FRUIT FLIES (Drosophila sp.) in and around Food Processing Plants, Loading Docks, Cull Piles and Refuse Areas, Cider Mills—Use 2 ounces in 2 1/2 gals. water (5 pints to 100 gals.) as a coarse spray to walls, floors, doorways, windows, refuse and cull piles where insects congregate. Apply every 5 to 7 days as necessary. Do not apply to cull fruit or refuse piles to be fed to livestock. Avoid contamination of feeds, foodstuffs and food processing machinery. Do not apply when plants are in operation or when foods are present or exposed. Do not spray surfaces which will come into contact with foods. Cover food containers during spraying.

ADULT MOSQUITO, GNAT, STABLEFLY (Dog Flies), AND HOUSEFLY CONTROL—RESIDENTIAL AREAS, CROPS LISTED ON LABEL, TIDAL MARSHES, SWAMPS, WOODLAND, LIVESTOCK PASTURES, FEED LOTS, AND PASTURES INCLUDING DAIRY CATTLE: Consult your State Fish and Game Agency before applying this product. It is not necessary to avoid farm buildings and dairy barns. Make applications during peak of infestation and repeat as necessary. See crop recommendations for use limitations near harvest. This rate of application will kill shrimp. Do not apply to tidal or marsh waters which are important shrimp producing areas. AIRCRAFT: East—Apply 0.8 to 4 fluid ozs. per acre diluted with water. Apply 2 to 8 quarts of diluted spray per acre. West—Apply 1.6 to 4 fl. ozs. per acre diluted